

Man, Land, & Sea

A publication by Guam Coastal Management Program

September 30, 2019



Climate Change Resiliency Commission



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Protecting Guam
from Ridge to Reef



Lieutenant Governor's MESSAGE

Håfa Adai!

The challenge before us in preparing for the future involves more than just investing in infrastructure, public services, and growing the economy. We must also safeguard our island's natural resources and beauty and be proactive in tackling looming threats like climate change.

Our Administration is committed to taking effective action to protect Guam's environment and preserve it as a legacy to be passed onto future generations.

The Bureau of Statistics & Plans and its Guam Coastal Zone Management Program play a pivotal role in this effort. This agency makes a vital contribution to our community in carrying out its mission by providing land use planning, development review, and projects to preserve our island's natural charm and beauty, such as the 25th Annual International Guam Coastal Cleanup held this month.

Protecting our island's environment involves more than our government. It is a cause which calls on everyone who cares about Guam's future to take part. Together we can create a sustainable community that meets the needs of all our people.

Si Yu'os Ma'åse!

Joshua F. Tenorio
JOSHUA F. TENORIO
Sigundo Maga'låhen Guåhan
Lieutenant Governor of Guam

“ Together we
can create a
sustainable
community
that meets the
needs of all
our people. ”



Climate Change



Resiliency Commission

Governor Lou Leon Guerrero has signed Executive Order 2019-19, creating the Climate Change Resiliency Commission. The Commission's objective is to develop an integrated strategy to build resiliency against the adverse effects of climate change and to reduce contributing factors such as greenhouse emissions.

The Governor has appointed Evangilene Lujan of the Guam Waterworks Authority and Dr. Romina King of the University as Chair and Vice-Chair of Commission.



Evangilene Lujan
Climate Change Resiliency
Commission - Chair



Dr. Romina King
Climate Change Resiliency
Commission - Vice Chair

Filling out the roster of Commission will be Senator Sabina Perez, Chair of the Legislatures Environment Committee as representatives from the Guam Environmental Protection Agency, the Bureau of Statistics & Plans as well as two public members. The executive order also provides for the formation of eight working groups to develop strategies to address important climate change concerns ranging from energy to food security.



Executive Order No. 2019-19

RELATIVE TO CREATING THE CLIMATE CHANGE
RESILIENCY COMMISSION

“ We are seeing the harmful effects of climate change right here on our island, from erosion to brush fires, degradation of coral reefs, pollution, scarce agricultural resources, and increasing intensity of natural disasters. This initiative will coordinate our response to climate change to institute meaningful policies that will protect our natural resources and environment.

The time to act is now! ”

-Governor Lou Leon Guerrero

The Climate Change Resiliency Commission is tasked with developing and coordinating an effective, data-based response to climate change, focusing on eight key climate change outcomes:



Energy

Including renewable energy, conservation, and aviation, surface transportation and maritime fuel sources



Water Resources

Including aquifer protection, surface water sources, water quality, conservation, and drought preparedness



Ocean and Land Resources

Including coral reefs, fisheries, forestry, mangroves, plant and wildlife ecosystems, tourism and recreational water use, and erosion control



Infrastructure and Community Resiliency

Including tropical storm preparedness, rising sea levels, coastal infrastructure and development, storm water management, hardening of important public and private sector facilities and infrastructure, coastal erosion and construction standards



Development Planning

Including land use planning, economic development planning, transportation systems, recycling, and solid waste management



Food Security

Including food distribution systems, agriculture, fishing and aquaculture



Public Health and Safety

Including hazards to human health and safety resulting from rising temperatures, changing disease vectors, and increased risks of brushfires



Greenhouse emissions and Carbon Footprint

Including pollution control, green economy alternatives, revegetation for carbon uptake, and expanded use of green infrastructure

GREEN INFRASTRUCTURE

Last month the Bureau of Statistics and Plans-Guam Coastal Management Program (GCMP) hosted two workshops in conjunction with the National Oceanographic and Atmospheric Administration (NOAA).



Esther Taitague (BSP) sharing group efforts on Adaptation Planning for Coastal Communities.

The workshops tackled the issues of Adaptation Planning for Coastal Communities and Green Infrastructure for Coastal Resilience.

These free interactive courses provided participants with ground and practical skills for incorporating adaptation strategies into planning processes and green infrastructure concepts that plays a critical role in making coastal communities more resilient to threats such as climate change. Over 40 participants attended the two workshops involving professionals from local government agencies, federal agencies, and the private sector.



**Dan Guerrero
-Joint Regions Marians, Guam**



Guam Coastal Management Program Team L-R Jesse Rojas, Edwin Reyes (Administrator), Esther Taitague, Marilyn Guerrero, Gil Suguitan, Dawn Blas, Jathan Muna-Barnes

Local Flood Problem

At the invitation of US Army Corps of Engineers, Chief of Civil and Public Works Branch, Mr. Edwin Reyes, Administrator, Guam Coastal Management Program, Bureau of Statistic and Plans, Office of the Governor of Guam, gave a presentation to the US Army Corps of Engineers Honolulu District leadership on how GCMP's work to characterize a local flood problem in Merizo, along with assistance from the Coastal States Organization's national network, served as the basis and need for greater coordination in finding long term solutions for the community. His presentation provide an overview of BSP's planning authority and function within the Government of Guam and how it is postured to maximize cross-agency collaboration. Edwin's talk highlighted the critical and important work the USACE Honolulu District is providing to the territory and how Guam is using the technical work to inform the planning process, and develop CIP financing strategies to address flood and erosion problems in Hagåtña, Merizo, Umatac, Santa Rita, and Agat. The presentation was held on Monday September 9, 2019 at Fort Shafter Honolulu.



Pictured from left to right Edwin Reyes, Administrator, Guam Coastal Management Program, Bureau of Statistic and Plans, Office of the Governor of Guam, Lieutenant Colonel Kathryn Sanborn, Commander, US Army Corps of Engineers Honolulu District, and Stephen Cayetano, Deputy District Engineer for Programs and Project Management US Army Corps of Engineers Honolulu District.

World Oceans Day

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[https://bsp.guam.gov/
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worldoceansday.org



Last June, as part of
World Oceans Day,
organized by Under-
water World, commu-
nity volunteers picked
up trash in Tumon
Bay. The Bureau of
Statistics and Plans
provided trash bags
and gloves and BSP
staff participated in
the event as well.

BSP IN ACTION



World Oceans Day- celebrating our oceans, our connections and making a real difference.

